

```
bharathkumarmurugan@DESI x + v
bharathkumarmurugan@DESKTOP-F4GBHMQ:~$ chmod 462 s1.txt
bharathkumarmurugan@DESKTOP-F4GBHMQ:~$ history
```

```
1 pwd
2 uname -a
3 whoami
4 clear
5 pwd
6 uname
7 whoami
8 mkdir data
9 cd data
10 vi Test.txt
11 history
12 vi Test.txt
13 ls
14 pwd
15 sudo apt-get install vim
16 vi test1.txt
17 nano test2.txt
18 rm test2.txt
19 ls
20 cat Test.txt
21 cat data
22 cat test1.txt
23 cp Test.txt test1.txt
24 cat test1.txt
25 mv test1.txt >> test2.txt
26 mv test1.txt test2.txt
27 ls
28 cat test2.txt >> test1.txt
29 ls
30 echo "bharath"
31 echo "bharath" >> test1.txt
32 history
33 date
34 time
35 cd data
36 pwd
37 ls
38 cat ~/
39 cat~/
```

Activate Windows
Go to Settings to activate Windows.



```
38 cat ~/
39 cat~/
40 vi~/data.log
41 histiry
42 history
43 date
44 bc
45 sudo apt update
46 sudo apt upgrade
47 echo $SHELL
48 printenv SHELL
49 whoami
50 whatis echo
51 whatis printenv
52 whatis whoami
53 whatis cat
54 whereis cat
55 whereis gcc
56 info cat
57 sudo apt install gcc
58 clear
59 sudo apt install build-essential
60 sudp apt-get update
61 sudo apt install build-essential
62 date
63 date "+%D"
64 date "+%D %T"
65 date "+%Y-%m-%d"date "+%Y-%m-%d"
66 date "+%Y/%m/%d"
67 date "+%A %B %d %Y %T"
68 date --date "tomorrow"
69 date --date "2 years ago"
70 man date
71 clear
72 cal
73 sudo apt install ncal
74 cal
75 cal 7 2025
76 cal 5 2025
77 cal 2025
78 cal -3 2025
```

Activate Windows
Go to Settings to activate Windows.

```
77 cal 2025
78 cal -3 2025
79 cal -3
80 clear
81 ps
82 exit
83 history
84 bc
85 bc <<< "12/5"
86 bc <<< "scale=2; 12/5"
87 bc <<< "2>5"
88 bc <<< "2^10"
89 quit
90 clear
91 uname
92 uname -o
93 uname -i
94 uname -n
95 uname -v
96 uname -s
97 uname -m
98 uname -r
99 uname -a
100 echo "Welcome to Linux"
101 echo -e "Hello \t World"
102 echo -n "Hello World"
103 echo "Welcome to \"Linux\""
104 echo `date`
105 echo "This is
106 kldsjskdk`kjkjkkdjl
107 quit
108 exit
109 :quit
110 echo "This is Linux Training for Notchup July 2025"
111 printf "Linux training"
112 printf "Linux training\n"
113 printf "My shell is %s\n" $SHELL
114 seq 1 10
115 seq 10 -1 1
116 seq -s " " 10
117 seq -s " " 5 10
```

Activate Windows
Go to Settings to activate Windows.

```
116 seq -s " " 10
117 seq -s " " 5 10
118 seq -s " " 5 3 50
119 rev <<< Linux
120 history
121 date --date "2 years ago"
122 sudo apt install ncal
123 echo $?
124 false
125 ls
126 touch newfile.txt
127 nano newfile.txt
128 cat newfile.txt
129 cat newfile.txt > output.txt
130 cat output.txt
131 cat -n demo
132 ls
133 mkdir training
134 cp newfile output.txt training
135 cd training
136 ls
137 cd
138 ls
139 ls -R
140 cp -r new training
141 ls
142 cd training
143 ls
144 cd new
145 ls
146 cd
147 mv output.txt out
148 ls
149 mv out training
150 ls
151 cd training
152 ls
153 vi sum.c
154 gcc sum.c && ./a.out
155 sudo apt install update
156 sudo apt install gcc
```

Activate Windows

Go to Settings to activate Windows.

```
194 cd sdlc
195 cd models
196 cd agile
197 nano cicd
198 wc cicd
199 wc this is day 2 of the training
200 cat cicd > new.txt
201 touch newfile.txt
202 ls
203 cat new.txt
204 cat -n cicd
205 tac cicd
206 cd ..
207 ls
208 cd ..
209 cd
210 ls
211 cp demo newfile stepin
212 ls
213 cd stepin
214 ls
215 cp -r training stepin
216 cd
217 cp -r training stepin
218 cd stepin
219 ls
220 cd
221 ls
222 cd stepin
223 ls
224 mv newfile git
225 ls
226 cd git
227 ls
228 mv newfile Day2
229 ls
230 rm Day2
231 ls
232 cd
233 ls
234 rm n*
```

Activate Windows
Go to Settings to activate Windows.

```
233 ls
234 rm n*
235 ls
236 rmdir new
237 cd new
238 ls
239 cd
240 rm -r new
241 ls
242 history
243 vi sum.c
244 vi filecmd
245 cat filecmd
246 cat sum.c
247 gcc sum.c
248 ./a.out
249 gcc sum.c && ./a.out
250 ls
251 more filecmd
252 nano filecmd
253 more filecmd
254 less filecmd
255 head filecmd
256 head -n 5 filecmd
257 tail filecmd
258 nano sample.txt
259 cat sample.txt
260 cut -c 1-3 sample.txt
261 cut -c 4-10 sample.txt
262 cat sample.txt
263 cut -d ':' -f2 sample.txt
264 cut -d ':' -f2,3 sample.txt
265 ls
266 cat demo
267 nano f1
268 nano f2
269 cat f1
270 cat f1
271 cat f2
272 paste f1 f2
273 paste -d ':' f1 f2
```

Activate Windows

Go to Settings to activate Windows.

```
272 paste f1 f2
273 paste -d ':' f1 f2
274 paste -s f1 f2
275 cat sample.txt
276 sort sample.txt
277 sort sample.txt -r
278 sort -t ':' -k2 sample.txt
279 sort -t ':' -k3 sample.txt
280 sort -t ':' -k4 sample.txt
281 sort -t ':' -k3 sample.txt -r
282 cat sample.txt
283 tr ':' '|' < sample.txt
284 cat sample.txt
285 ls
286 tr ':' '|' < sample.txt > s1.txt
287 ls
288 cat s1.txt
289 tr ':0' '|$' < sample.txt
290 cat sample.txt
291 tr -s '0' < sample.txt
292 cat sample.txt
293 tr -d '0' < sample.txt
294 nano example.txt
295 cat example.txt
296 uniq example.txt
297 nano example.txt
298 cat example.txt
299 uniq example.txt
300 ls
301 cat sample.txt
302 cat s1.txt
303 cmp sample.txt s1.txt
304 diff sample.txt s1.txt
305 ls
306 nano test.c
307 cat test.c
308 grep main test.c
309 grep ^main test.c
310 grep ^int test.c
311 grep \; test.c
312 nano test.c
```

Activate Windows

Go to Settings to activate Windows.


```
311 grep \; test.c
312 nano test.c
313 cat test.ccat test.c
314 cat test.c
315 grep ^int test.c
316 nano sed_test
317 cat sed_test
318 sed 's/Hello/Hi/' sed_test
319 cat sed_test
320 sed -i 's/Hello/Hi/' sed_test
321 cat sed_test
322 sed 's/!/$/g' sed_test
323 cat sed_test
324 sed '/simple/d' sed_test
325 sed '/Hi/a Welcome to sed' sed_test
326 sed -n '/Hi/p' sed_test
327 nano employees.txt
328 cat employees.txt
329 awk '{print $0}' employees.txt
330 awk '{print $1, $3}' employees.txt
331 awk '$3>500000 '{print $1, $3}' employees.txt
332 awk '$3 > 500000 {print $1, $3}' employees.txt
333 awk 'BEGIN {print "Name: , Salary: "} {print $1, $3}' employees.txt
334 awk 'BEGIN {print "Name Salary"} {print $1, $3}' employees.txt
335 awk 'BEGIN {print "Name Age Salary"} {print $1, $2, $3}' employees.txt
336 awk '{total+= $3} END {print "Total Salary=", total}' employees.txt
337 awk '{print $0}' employees.txt
338 awk '{print NR, $1}' employees.txt
339 awk '{print NR, $0}' employees.txt
340 awk '/Alice/' employees.txt
341 awk '$2 < 30 {print $1, $2}' employees.txt
342 awk '{printf "Name: %s, Age: %d, Salary: %d\n", $1, $2, $3}' employees.txt
343 awk 'END {print "Total employees= ", NR}' employees.txt
344 ls -l
345 ls -l s1.txt
346 chmod u+x s1.txt
347 ls -l s1.txt
348 chmod o-r s1.txt
349 ls -l s1.txt
350 chmod 462 s1.txt
351 history
```

Activate Windows
Go to Settings to activate Windows.